

# Factor IX rabbit pAb

Cat No.:ES8523

For research use only

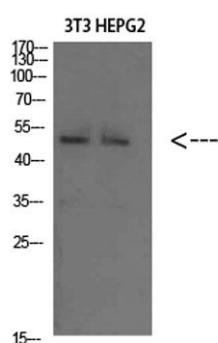
## Overview

Product Name	Factor IX rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB 1:500-2000, ELISA 1:10000-20000
Immunogen	Synthesized peptide derived from Factor IX at AA range: 412-461
Specificity	Factor IX Polyclonal Antibody detects endogenous levels of Factor IX
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Factor IX
Gene Name	F9
Cellular localization	Secreted .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	2158
Human Swiss-Prot Number	P00740
Alternative Names	Coagulation factor IX (EC 3.4.21.22) (Christmas factor) (Plasma thromboplastin component) (PTC) [Cleaved into: Coagulation factor IXa light chain; Coagulation factor IXa heavy chain]
Background	This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The





role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with  $\text{Ca}^{+2}$  ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Sep 2015],



Western Blot analysis of 3T3 HEPG2 cells using Factor IX Polyclonal Antibody diluted at 1:800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

